

CLAIMS

1. Means for installation of panels, the panels comprising a core, a decorative upper surface and edges provided with joining means for positioning the panels towards one another wherein predetermined portions of the edges are provided with an encapsulated agent which is made present on the edges of the surface elements before assembly and which encapsulation is ruptured by means of assembly making the agent available to the core whereby the panels are joined to one another by use of the joining means wherein a unit of a plurality of surface elements is formed.
2. Means according to claim 1 wherein the encapsulated agent is present in the form of at least one tube containing the agent.
3. Means according to claim 1 wherein the encapsulated agent is present in the form of a plurality of spheres containing the agent.
4. Means according to claim 2 wherein the at least one tube is sealed in its ends.
5. Means according to claim 2 wherein the tube is sectioned into a series of confined bodies of agent.
6. Means according to claim 1 wherein the encapsulated agent is a glue.
7. Means according to claim 6 wherein the encapsulated glue is present in the form of pairs of tubes where a first tube contains a first glue component of a two component glue system and where a second tube contains a second component of the two component glue system.
8. Means according to claim 7 wherein the tubes are sealed in the ends.
9. Means according to claim 7 wherein the tubes are sectioned into a series of confined bodies of glue.

10. Means according to claim 3 wherein the encapsulated agent is a glue contained in pairs of spheres where a first amount of spheres contains a first glue component of a two component glue system and where a second amount of spheres contains a second component of the two component glue system.
11. Means according to claim 5 wherein the tube comprises a thermoplastic material whereby the sectioning is performed by locally welding the wall of the tube together at predetermined positions thereby forming the confined bodies of agent.
12. Means according to claim 9 wherein the tube comprises a thermoplastic material whereby the sectioning is performed by locally welding the wall of the tube together at predetermined positions thereby forming the confined bodies of glue.
13. Means according to claim 8, wherein the tube is welded from a thermoplastic laminate strip the long sides of the strip overlapping so that an inside of the strip is welded towards an outside of the opposite long side of the strip thereby forming the tube, the material of the laminate being selected so that the inside is constituted of a first material and the outside is constituted by a second material wherein the first material have a good bond when welded together with the first material and wherein a second material have a bond to the first material which is weaker than the bond between two first materials.
14. Means according to claim 13 wherein the tubes are sectioned into a series of confined bodies of agent.
15. Means according to claim 14 wherein the sectioning is performed by locally welding the inside of the tube together at predetermined positions thereby forming the confined bodies of agent.
16. Means according to claim 14 wherein the tube comprises a thermoplastic material whereby the sectioning is performed by locally welding the wall of the tube together at predetermined positions thereby forming confined bodies of agent in the form of glue.

17. Means according to claim 6 wherein the glue is a PVAC glue.
18. Means according to claim 6 wherein the glue is a polyurethane glue.
19. Means according to claim 1 wherein the joining means are arranged so that a first edge of the panel is provided with a groove while a second edge, arranged parallel to the first edge and opposite thereto, is provided with a tongue.
20. Means according to claim 19 wherein the encapsulated agent is applied in a recess in the groove.
21. Means according to claim 19 wherein the encapsulated agent is applied in a recess on the tongue.
22. Means according to claim 21 wherein the recess is arranged on an upper portion of the tongue.
23. Means according to claim 1 wherein a first portion of the encapsulated agent is arranged in a recess of the groove while a second portion of the encapsulated agent is arranged in a recess on the tongue.
24. Means according to claim 9 wherein the first tube is arranged in a recess of the groove while the second tube is arranged in a recess on the tongue.
25. Means according to claim 24 wherein the joining means comprises snapping wedges and recesses arranged to position and mechanically lock the panels tightly together while the glue sets.
26. Means according to claim 1 wherein a glue is applied on the edges as an emulsion which then is allowed to dry before the joining of the surface elements and that the agent is a solvent used for activating the dry glue during assembly.
27. Means according to claim 26 wherein the agent is water.
28. Means according to claim 26 wherein the agent is a mixture of water and alcohol.

- 29. Means according to claim 26 wherein the glue further comprises an expanding agent causing the glue to swell when activated.
- 30. Means according to claim 29 wherein the expanding agent is a cellulose derivative.
- 31. Means according to claim 29 wherein the expanding agent causes the glue to foam.